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TITLE : MOLD COATING MATERIAL OF SUBLIMATION PATTERN FOR CASTING

ABSTRACT : PURPOSE: To surely suppress the combustion of an sublimation pattern at the time of pouring and to prevent the carburization of a casting by incorporating a specific ratio of materials which generate an inert gas when heated into a mold coating material to be coated on the surface of the sublimation pattern.

CONSTITUTION: The mold coating material to be coated on the surface of the sublimation pattern made of foamed plastic or the like is constituted by incorporating the materials which generate the inert gas when heated, for example, at least one kind of calcium carbonate and magnesium carbonate at about 3~15wt.% to aggregate consisting of at least one material among zircon which is slightly coarse-grained zircon flowers, mullite and silica. The combustion of the sublimation pattern by the air in the pattern at the time of pouring is surely and rationally suppressed by the generated inert carbon dioxide, by which the generation of the carbon components is prevented. The carburization of the casting is, therefore, prevented and good-quality casting is obtd.

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